

WHAT IS CLAIMED IS:

1. A method for reducing or preventing fluid misplacement by a fluid-ejecting head having a plurality of fluid ejectors, the method comprising:
determining delay times between firings of the plurality of fluid ejectors that produce the least amount of ejected fluid misplacement.
2. The method of claim 1, further comprising:
measuring the physical positions of two or more fluid ejectors; and
calculating the tilt of the fluid-ejecting head.
3. The method of claim 1, further comprising:
measuring the position of ejected fluid from two or more fluid ejectors.
4. The method of claim 1, further comprising:
setting delay times between the plurality of fluid-ejectors to the determined delay times.
5. The method according to claim 4, further comprising:
printing swath data using the set delay times.
6. The method according to claim 1, further comprising:
printing a plurality of data sets comprising pixel data using different delay times between the firings of the plurality of fluid ejectors for each printed data set.
7. The method according to claim 6, wherein the pixel data comprises images and/or text.
8. The method according to claim 6, wherein the pixel data comprises vertical lines.
9. The method of claim 8, further comprising:
measuring tilt of the printed vertical lines produced by each printed data set; and
identifying the delay times producing the least measurable amount of tilt.
10. The method of claim 1, further comprising:
printing a single data set;
scanning the printed data set; and
measuring angles within the printed data set.

11. The method of claim 6, wherein the plurality of data sets are printed on a receiving medium.
12. The method of claim 11, wherein the receiving medium is paper.
13. The method according to claim 1, wherein the fluid ejectors are ink-jet ejectors.
14. The method according to claim 6, wherein each of the plurality of data sets are identical.
15. A fluid ejection system that ejects fluids onto a receiving medium, comprising:
 - one or more fluid ejecting heads having a plurality of fluid ejectors that eject fluid;
 - an electronics system having fluid ejector firing electronics and at least one delay time buffer; and
 - a determining unit that determines delay times that produce the least amount of ejected fluid misplacement.
16. The fluid ejection system of claim 15, wherein the at least one delay time buffer allows for independent, variable delay of the plurality of fluid ejectors.
17. The fluid ejection system of claim 15, wherein the at least one delay time buffer allows for a fixed delay of the plurality of fluid ejectors.
18. The fluid ejection system of claim 15, wherein the delay times are determined for each fluid ejecting head and/or different print modes.
19. The fluid ejection system of claim 15, further comprising:
 - a setting unit configured to set delay times between the firings of the plurality of fluid ejectors to the delay times determined by the determining unit.
20. The fluid ejection system of claim 19, further comprising:
 - a printing unit configured to print swath data using the set delay times.
21. The fluid ejection system of claim 15, further comprising:
 - a receiver that receives a plurality of data sets that comprise pixel data.
22. The fluid ejection system of claim 21, wherein the pixel data comprises images and/or text.
23. The fluid ejection system claim 21, wherein the pixel data comprises nominally vertical lines.
24. The fluid ejection system of claim 21, further comprising:

a measurement unit that measures the tilt of printed vertical lines produced by printed data sets; and

an identifying unit that identifies the delay times producing the least measurable amount of tilt.

25. The fluid ejection system of claim 15, wherein the fluid is ink.
26. The fluid ejection system of claim 15, wherein the receiving medium is paper.